

State Agricultural Summaries

These summaries, issued weekly through the summer growing season, provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service. The crop weather reports are also available on the Internet through the NASS Home Page on the World Wide Web at <http://www.usda.gov/nass/> or from JAWF at <http://www.usda.gov/oce/waob/jawf>.

ALABAMA: Days suitable for fieldwork 6.8. Topsoil 31% very short, 43% short, 26% adequate. Corn 89% silked, 81% 1999, 85% 5 yr avg.; 30% very poor, 16% poor, 18% fair, 32% good, 4% excellent. Soybeans 99% planted, 99% 1999, 96% 5 yr avg.; 96% emerged, 92%, 1999, 5 yr avg not available. Soybeans 17% blooming, 13% 1999, 13% 5 yr avg. Soybeans 3% setting pods, 2% 1999, 2% 5 yr avg.; 3% very poor, 8% poor, 45% fair, 41% good, 3% excellent. Wheat 100% harvested, 94% 1999, 96% 5 yr avg.; 2% very poor, 3% poor, 30% fair, 54% good, 5% excellent. Hay 97% Harvested, 96% 1999, 97% 5 yr avg. Pasture feed 23% very poor, 25% poor, 28% fair, 22% good, 2% excellent. Livestock 4% very poor, 10% poor, 20% fair, 60% good, 6% excellent. Drought conditions are still prevalent. Harvesting summer vegetables.

ALASKA: Days suitable for fieldwork 5.0. Topsoil 35% short, 65% adequate. Subsoil moisture 40% short, 60% adequate. Cloudy, damp conditions over much of the state prevented producers from making much progress on the Alaskan hay harvest. Daytime high temperatures were mostly in the sixties, with lows mostly in the fifties. Barley 80% headed, 57% 1999, 40% avg.; 40% fair, 50% good, 10% excellent. Oats 20% headed, 33% 1999, 35% avg. Average height of small grains, 16". Potatoes 95% emerged, 95% 1999, 100% avg. Average height of potato crop, 9" Hay harvest, 35% complete, 33% 1999, 35% avg. Crop growth, 10% slow, 90% moderate. Pasture, range 35% poor, 50% fair, 15% good. Major farming activities for the week included: Cutting, harvesting hay fields, harvesting vegetables, hilling potatoes, weed control, transplanting vegetables, machinery, fence repair.

ARIZONA: Area recorded below average temperatures with modest precipitation during the week of July 9. Cooler temperatures, light precipitation have helped cotton to progress ahead of normal. Range, pasture feed have also improved slightly with the early monsoon rains, but more rain is still needed.

ARKANSAS: Days suitable for fieldwork 6.0. Soil moisture 3% very short, 23% short, 72% adequate, 2% surplus. Rice 10% headed, 1% 1999, 4% 5 yr. avg.; 1% very poor, 6% poor, 20% fair, 57% good, 16% excellent. Sorghum 50% headed, 30% 1999, 28% 5 yr. avg.; 1% very poor, 2% poor, 18% fair, 66% good, 13% excellent. Cotton 97% squared, 99% 1999, 97% 5 yr avg.; cotton 6% poor, 34% fair 49% good, 11% excellent. Soybean 98% planted, 99% 1999, 97% 5 yr avg.; 92% emerged, 94% 1999, 93% 5 yr avg.; 13% bloomed, 20%, 1999, 14% 5 yr average. 3% setting pods, 4% 1999 and 5 yr avg.; 2% very poor, 8% poor 30% fair, 44% good, 16% excellent. Corn 94% silked; 1% poor, 7% fair, 57% good, 35% excellent.; wheat 99% harvest, 98% 1999, 5 yr avg. Alfalfa Hay 1% poor, 23% fair, 55% good, 21% excellent; Other Hay 1% very poor, 3% poor, 24% fair, 55% good, 17% excellent. Pasture, Range feeds 1% very poor, 1% poor, 17% fair, 60% good, 21% excellent. Although soybean planting was winding down, some fields were being replanted due to flood loss. Cotton, soybeans cultivation continued. Farmers were irrigating corn, cotton, soybean fields. Wheat harvest was near completion. Soybeans, rice were still being sprayed with herbicides to control weeds. Some cotton fields continued to be sprayed for aphids, boll weevils. Many rice farmers were applying mid-season Nitrogen to their fields. Other activities included: Fertilizing, applying weed control to pastures, as well as, cutting, baling hay. Blueberry, watermelon, peach harvests continued. Thrips were spotted in tomato fields, causing spotted wilt virus. Livestock were in good condition. Cattle were being treated for horn flies, internal parasites. Many reports are received on Friday and may not reflect conditional changes due to weekend weather.

CALIFORNIA: Cool temperatures were slowing crop growth. Farmers continued irrigating, cultivating, weeding of fields. Small grains were being combined. Straw was baled, fields were being prepared for double cropping; some were second planted to dry beans. Wheat seed was being harvested. Blackeye beans continued to bloom, set pods. Alfalfa was cut, dried, baled, or chopped for silage. Some fields were sprayed for armyworms, lygus. Pollination continued in seed alfalfa fields. Sudan grass fields were treated for weeds. Cotton was squaring, blooming in the San Joaquin Valley; a few of the earliest planted fields were setting bolls. Some fields were treated for aphids, lygus, worms. Field workers were hoeing weeds. Corn for silage was planted. Sugarbeet harvest continued. Rice was treated with herbicides. Cool weather slowed the growth or ripening of some fruit crops. Growers were conducting cultural activities in vineyards, orchards. Weed control, fungicide application, irrigation continued. Grape vineyards were treated for mildew, leafhoppers. Harvest of grapes for fresh consumption continued in the Coachella Valley. Thompson Seedless, Flame Seedless were the main varieties moving. Picking of grapes for fresh use was also active in the San Joaquin Valley, where Perlette, Flame Seedless the primary varieties picked. Picking of apricots, freestone peaches, nectarines, plums was active. Apples were treated for codling moth. Walnuts were treated for blight, codling moth. Almonds were treated for mites, navel orange worms. Grapefruit picking was active in the San Joaquin Valley. Lemon harvest was active in southern state. The harvest of valencia oranges progressed in southern state, in the San Joaquin Valley. Strawberry picking was active on the central coast. Low temperatures slowed growth of some vegetables in the Sacramento Valley. Some eggplant producers in the San Joaquin Valley were experiencing a light bloom. Planting of cantaloupe, honeydew, tomatoes, bell peppers, freezer beans continued. Tomato fields were treated with fungicides. Weeding, insecticide applications continued in tomato, bell pepper fields.

Cucumber, peppers, squash were maturing; picking continued at a brisk pace. Carrots continued to be harvested, planted in Kern County. Good quality sweet corn was being picked for both local, national markets. Other vegetables harvested included: bell pepper; bok choy; cilantro; fresh market, processing cucumbers; sweet corn; eggplant; garlic; mustard greens; fresh, processing onions; lemon grass; okra; parsley; sweet, chili peppers; kabocha, scalloped, yellow crookneck, golden zucchini, zucchini squash; snap peas; radishes; spinach; fresh market, processing, cherry tomatoes. Irrigated pastures were in good condition. Below normal temperatures were beneficial, cattle were in good condition. Mild weather improved milk production in the central, northern valleys. Sheep were grazing off grain stubble in central state. Bees were pollinating seed alfalfa, melon fields, with activity slowed by cool weather in the Sacramento Valley.

COLORADO: Days suitable for fieldwork 6.5. Topsoil 36% very short, 46% short, 18 adequate, 0% surplus. Subsoil moisture 37% very short, 39% short, 24% adequate, 0% surplus. Weather conditions changed very little with hot temperatures, warm winds, very limited moisture, statewide. This has favored winter wheat harvest, but yields have been disappointing. Spring barley 96% headed, 97% 1999, 92% avg.; 38% turning color, 31% 1999, 33% avg.; 2% harvested, 1% 1999, 1% avg.; 2% very poor, 7% poor, 18% fair, 52% good, 21% excellent. Dry onions 4% very poor, 5% poor, 21% fair, 56% good, 14% excellent. Sugar beets 3% very poor, 7% poor, 21% fair, 49% good, 20% excellent. Summer potatoes 1% very poor, 4% poor, 13% fair, 46% good, 36% excellent. Fall potatoes 4% poor, 14% fair, 61% good, 21% excellent. Dry beans 100% emerged, 96% 1999, 90% avg.; 4% flowered, 9% 1999, 4% avg.; 15% very poor, 9% poor, 23% fair, 40% good, 13% excellent. Spring wheat 91% headed, 71% 1999, 76% avg.; 50% turning color, 21% 1999, 25% avg.; 2% harvested, 0% 1999, 0% avg.; 7% very poor, 10% poor, 19% fair, 40% good, 24% excellent. Alfalfa 97% 1st cutting, 96% 1999, 91% avg.; 18% 2nd cutting, 26% 1999, 16% avg.

DELAWARE: Days suitable for fieldwork 6.8. Topsoil 15% short, 83% adequate, 2% surplus. Subsoil moisture 8% short, 89% adequate, 3% surplus. Winter wheat 78% harvested, 75% 1999, 75% avg. Field corn 36% silked, 21% 1999, and 15% avg.; 10% doughed, 4% in 1999 and 2% avg. Sweet corn 90% planted, 100% 1999, 79% avg; 14% harvested, 6% 1999, 8% avg. Cucumbers 88% planted, 67% 1999, 57% avg.; 23% harvested, 15% 1999, 15% avg. Soybeans 87% planted, 85% 1999, 85% avg.; 68% emerged, 69% 1999, 60% avg.; 5% bloomed, 4% 1999, 4% avg. Sorghum 8% fair, 90% good, 2% excellent; 10% headed, 4% 1999, 2% avg. Snap beans 20% harvested, 9% 1999, 12% avg. Pasture feed 4% poor, 13% fair, 81% good, 2% excellent. Corn 1% poor, 3% fair, 81% good, 15% excellent. Soybean 10% fair, 79% good, 11% excellent. Potatoes 15% harvested 13% 1999, 12% avg. Apple 10% fair, 77% good, 13% excellent. Peaches 11% fair, 76% good, 13% excellent. Hay supplies 20% short, 80% adequate. Percent of cutting hay crop harvest; clover, other hays, 2nd cutting 55% cut, 46% 1999, 59% avg.; 3rd cutting 23% cut 42% 1999, 17% avg. Alfalfa 2nd cutting 81% cut, 77% 1999, 71% avg.; 3rd cutting 32% cut, 17% 1999, 9% avg. Tomatoes 5% harvested, 4% 1999 2% avg. Activities: Showers overnight July 3-4, a sprinkle late in week, but overall getting a bit on the dry side. Excellent dry weather, breezy conditions, low humidity at end of week a help in harvesting barley, wheat, so planting of double-crop soybeans can also progress. Lots of sweet corn being harvested, plus cabbage, snap beans, squash, early peaches, some blueberries. Watermelon harvest should get underway by the end of this week.

FLORIDA: Topsoil, Subsoil moisture supplies mostly short to adequate with scattered areas of very short, surplus supplies. Scattered showers dropped varying amounts of rain. Rainfall ranged from 0.00 in. at Pensacola to almost 4.00 in. around Immokalee. Avalon, Apopka, Lake Alfred received less than 0.10 in.; Ft. Pierce, Daytona Beach almost 2.00 in. Dry conditions continued across northern Peninsula, western panhandle with wild fire threat still very high. Temperatures averaged near normal at most major stations. Daytime highs 80s, 90s. Nighttime lows 60s, 70s. Pensacola, Tallahassee both recorded at least one high temperature of 100 or more. Although recent scattered showers improved moisture supplies in many Peninsula areas, counties in northern Peninsula, western Panhandle remain very dry. Some producers making first hay cutting. Growers continue to harvest tobacco with markets set to open on August 1. Most cotton fair to good. Soybeans, sugarcane mostly good. Peanut 1% poor, 99% fair. Producers report 46% of peanuts pegged. Tomato harvesting around Quincy virtually finished. Okra harvesting, Dade County, continues. Picking of watermelons nearly done. Dry most of week citrus areas, rain, thunderstorms on a few days, new growth abundant, some late bloom. New crop fruit sizing well, making good progress. Valencia harvest down to last few smaller crops. Most of remaining grapefruit, Honey tangerines loaded with late bloom fruit, headed for processors. Caretakers cutting cover crops, herbiciding, spraying, fertilizing, some hedging, topping continues. Pasture feed; poor 10%, fair 80%, good 10%. Condition of Cattle 5% very poor, 10% poor, 65% fair, 20% good. Panhandle, north, central: pasture stressed from drought. Panhandle: pasture condition improved, grass short but growing, some range drought stressed again. Central: pasture greened up following good rains, but water holes still dry; More rain needed to bring up water table. Southwest: range fair to good. Statewide, cattle condition mostly fair, but slightly improved over last week.

GEORGIA: Days suitable for field work 6.5. Soil moisture 29% very short, 46% short, 25% adequate. Corn 81% dough, 82% 1999, 78% avg.; 50% dent; 52% 1999, 44% avg.; 12% mature, 11% 1999, 6% avg. Hay 27% very poor, 26% poor, 32% fair, 14% good, 1% excellent. Peanuts 89% blooming, 90% 1999, 93% avg. Sorghum 20% very poor, 29% poor, 36% fair, 14% good, 1% excellent; 91% planted, 97% 1999, 94% avg. Soybeans 96% planted, 97% 1999, 97% avg.; 87% emerged, 94% 1999, NA% avg. Tobacco 6% very poor, 17% poor, 43% fair, 31% good, 3% excellent; 17% harvested, 12% 1999, 22% avg. Watermelons 82% harvested, 75% 1999, 69% avg. Apples 6% poor, 41% fair, 46% good, 7% excellent; 1% harvested, 0% 1999, 0% avg. Peaches 70% harvested, 58% 1999, 75% avg. Pecans 10% very poor, 24% poor, 45% fair, 20% good, 1% excellent. Hot, dry weather prevailed across the State last week. Temporary relief provided by scattered rains in June evaporated. Farmers continued to irrigate. Some irrigation ponds dried up. Soybeans were blooming. Tobacco harvesting continued. Tobacco Mosaic Virus remained a problem in some fields. Growth regulators, herbicides were applied to cotton. Farmers waited for natural controls to reduce heavy aphid infestations in cotton. Producers sprayed fungicides on peanuts. Weed control was active. Pasture feed worsened. Cattle showed stress. Cattlemen continued feeding hay, selling cattle. High nitrate levels were found in hay. Oxygen depletion killed fish in some ponds. Other activities included: Vegetable harvesting.

HAWAII: Variable weather conditions were fair for agriculture during week. Leeward areas mostly sunny, dry. Windward areas partly cloudy with frequent showers for eastern islands. Pastures feeds were variable; improving in some areas due to recent showers. Banana, papaya harvesting steady. Most vegetables in fair to good condition. Insect infestations increasing, but under control. Harvesting of sweet corn, cucumbers, watermelons at summer peak.

IDAHO: Days suitable for field work 6.7. Topsoil 20% very short, 31% short, 47% adequate, 2% surplus. Water supplies are running short in various Eastern Counties. Moisture stress to dryland crops was reported by Power County officials. Substantial cereal leaf beetle damage to barley fields were reported by Franklin County agents. Irrigation supply 22% excellent, 35% good, 28% fair, 11% poor, 4% very poor. Oats 57% headed, 62% 1999. Cherries 80% harvested, 37% 1999, 59% avg. Potatoes 82% 12" high, 62% 1999, 70% avg.; closing 48% middles, 20% 1999, 33% avg. Mint 0% harvested, 1% 1999, 1% avg. Alfalfa hay 1st cutting 96% harvested, 90% 1999, 88% avg.; 34% 2nd cutting harvested, 12% 1999, 12% avg. Winter wheat 100% headed, 96% 1999, 97% avg.; turning 51% color. Spring wheat 79% headed, 46% 1999, 57% avg.; 100% jointed; 94% booting; turning 22% color. Spring barley 79% headed, 51% 1999, 56% avg.; 100% jointed; 95% booting; 23% turning color. Activities: Preparing for grain harvest, irrigating, spraying weeds, monitoring for disease, pests.

ILLINOIS: Days suitable for fieldwork 2.9. Topsoil 1% short, 65% adequate, 34% surplus. Corn height 70 in., 65 in. 1999, 51 in. avg.; 3% dough, 1% 1999, 0% avg. Oats 93% filled, 96% 1999, 79% avg.; 66% turning yellow, 71% 1999, 42% avg.; 26% ripe, 17% 1999, 9% avg.; 12% harvested, 7% 1999, 2% avg.; 1% poor, 17% fair, 63% good, 19% excellent. Alfalfa 2nd cut 57%, 61% 1999, 38% avg.; 3rd cut 4%, 2% 1999, 1% avg.; 1% poor, 13% fair, 64% good, 22% excellent. Red clover 90% cut, 91% 1999, 90% avg. Frequent rains last week hindered fieldwork, provided little relief for wet soil conditions. Water damage to the crops varies across the state, with reports of rust on wheat, yellow spots in soybean fields, corn fields that look tremendous. Despite standing water along rivers, streams, crop progress continues well ahead of normal. The corn crop stands nearly six feet tall. Other activities for last week included: Cultivating, cutting hay, mowing roadsides.

INDIANA: Days suitable for fieldwork 3.5. Topsoil 4% short, 71% adequate, 25% surplus. Subsoil 2% very short, 15% short, 71% adequate, 12% surplus. Favorable weather to harvest winter wheat. Rainy conditions slowed field activities, some areas. Pondering in low lying areas. Replanting necessary in spots of some soybean fields. Corn growing rapidly, many have reached silk stage. Precipitation averaged less than an inch in most areas to over 3 inches. Temperatures averaged 3E below normal to 4E above normal. Planting of double crop soybeans continues. Weeds, yellow plants remain a problem in some soybean fields. Range, pasture 4% poor, 23% fair, 57% good, 16% excellent. Second cutting alfalfa hay 52% complete, 63% 1999, 33% avg. Major activities: Harvesting winter wheat, planting double crop soybeans, cutting, baling hay, spraying, mowing roads, pastures, cleaning up, equipment repair, scouting fields, hauling manure, preparing for county fair, feeding, caring for livestock.

IOWA: Days suitable for field work 3.0. Topsoil 4% very short, 8% short, 67% adequate, 21% surplus. Subsoil moisture 16% very short, 22% short, 50% adequate, 12% surplus. In terms of moisture, State has gone from famine to feast. Heavy rains have flooded some low-lying areas; caused gully erosion in north central, central section of state. In northeast area, there has not been enough time between showers for producers to make dry hay. This compares with northwest area, however, where some areas are still in need of rain. Corn 87% cultivated, 82% 1999, 84% avg.; 25% silked, 9% 1999, 4% avg. Corn stand compared to 94% normal. Corn height: tallest 74 inches; avg 61 inches. Corn 1% very poor, 7% poor, 19% fair, 46% good, 27% excellent. Soybeans 54% blooming, 33% 1999, 23% avg.; 1% very poor, 11% poor, 23% fair, 46% good, 19% excellent. Oats 100% headed, 100% 1999, 97% avg.; 89% turning, 79% 1999, avg.; 46%; harvested 8%, 1999 2%, 4% avg. Oat 1% very poor, 13% poor, 21% fair, good 43%, excellent 22%. Winter wheat 59% harvested. Range, pasture feed 9% very poor, 17% poor, 30% fair, 32% good, 12% excellent. Second cutting of alfalfa 53%, 38% 1999, 20% avg. First cutting of 98% clover hay, 86% 1999, 83% avg.; 2nd cutting 10%, 10% 1999, 10% avg. Hay 5% very poor, 9% poor, 31% fair, 39% good, 16% excellent. Hot, humid weather has stressed some of state livestock, lowering feed

consumption by approximately 35% in some areas. Pinkeye reported in south central, southeastern section of state.

KANSAS: Days suitable for fieldwork 6.0. Topsoil 15% very short, 32% short, 52% adequate, 1% surplus. Subsoil moisture 13% very short, 31% short, 54% adequate, 2% surplus. Wheat harvest winding down. Wheat 99% harvested, 78% 1999, 75% avg. Sorghum 4%, headed 1% 1999, 4% avg. Corn 52% silked, 20% 1999, 27% avg.; 5% dough, 1% 1999, 5% avg.; 1% very poor, 7% poor, 25% fair, 53% good, 14% excellent. Soybean 98% emergence, 89% 1999, 47% bloom, 11% 1999, 20% avg.; 5% poor, 25% fair, 58% good, 12% excellent. Sunflower 99% emergence, 81% 1999, 7%, bloom, 2% 1999, 6% poor, 31% fair, 59% good, 4% excellent. 3rd cutting alfalfa 10%, 5% 1999, 6% avg. Range, Pasture feed 4% very poor, 20% poor, 30% fair, 41% good, 5% excellent.

KENTUCKY: Days suitable for fieldwork 3.9. Topsoil moisture 4% very short, 14% short, 67% adequate, 15% surplus. Subsoil moisture 6% very short, 20% short, 70% adequate, 4% surplus. In the beginning of the week the State received rain showers, heavy at times. This was followed by cooler and drier weather until the weekend when hot humid conditions returned. Set tobacco 1% very poor, 3% poor, 15% fair, 62% good, 19% excellent. Most common disease problem reported is black shank, although some worm, blue mold problems were reported. Tobacco height 26" under 24 inches, 52% between 24-36 inches, 22% over 36 inches. Wheat 96% harvested. The cutting of hay continues and is looking good. Hay crops 1% very poor, 4% poor, 25% fair, 55% good, 15% excellent. Pastures are looking good and are being cut. Pastures 1% very poor, 5% poor, 28% fair, 53% good, 13% excellent.

LOUISIANA: Days suitable for fieldwork 5.3. Soil moisture 9% very short, 26% short, 58% adequate, 7% surplus. Corn 6% very poor, 8% poor, 22% fair, 60% good, 4% excellent; 100% silked, 100% 1999, 99% avg.; 92% dough stage, 85% 1999, 84% avg.; 27% mature, 16% 1999, 15% avg. Hay 97% 1st cutting, 97% 1999, 97% avg.; 31% final cutting, 6% 1999, 11% avg. Peaches 70% harvested, 89% 1999, 72% avg. Rice 5% ripe, 4% 1999, 3% avg. Rice Producers were draining fields, preparing for harvest. Soybean growers were scouting for insects, diseases. Sorghum 12% turning color, 4% 1999, 4% avg. Sugarcane 7% poor, 34% fair, 48% good, 11% excellent. Sugarcane farmers were scouting for borers. Sweet potatoes 99% planted, 100% 1999, 98% avg. Livestock 1% very poor, 7% poor, 34% fair, 43% good, 15% excellent. Vegetables 3% very poor, 10% poor, 38% fair, 45% good, 4% excellent.

MARYLAND: Days suitable for fieldwork 5.3. Topsoil 3% very short 14% short, 80% adequate, 3% surplus. Subsoil moisture 1% very short, 14% short 84% adequate, 1% surplus. Rye 80% harvested, 81% 1999, and 62% avg. Cucumbers 40% harvested, 36% 1999, 29% avg. Lima beans 15% harvested, 5% 1999, 2% avg. Snap Beans 25% harvested 29% 1999, 23% avg. Soybeans 88% planted, 89% 1999, 86% avg.; 85% emerged, 79% 1999, 34% avg; 8% bloomed, 6% 1999, 4% avg. Sorghum condition 1% very poor, 2% poor, 2% fair, 85% good, 10% excellent, 8% headed, 0% 1999, 1% avg. Tobacco 1% poor, 6% fair, 56% good, 37% excellent; 20% bloomed 6% 1999, 5% avg. Field corn 23% silked, 29% 1999, 17% avg. Sweet corn 11% harvested, 21% 1999, 10% avg. Potatoes 47% harvested, 29% 1999, 30% avg. Winter wheat 80% harvested, 77% 1999, 66% avg. Pasture feed 1% very poor, 2% poor, 13% fair, 63% good, 21% excellent. Corn 2% very poor, 2% poor, 7% fair, 48% good, 41% excellent. Soybean 1% very poor 2% poor, 11% fair, 65% good, 21% excellent. Apple 2% very poor, 16% fair, 60% good, 22% excellent. Peach 12% fair, 64% good, 24% excellent; 9% harvested, 17% 1999, 7% avg. Cantaloupe 12% harvested, 14% 1999, 8% avg. Watermelons 7% harvested, 7% 1999, 4% avg. Tomatoes 6% harvested, 21% 1999, 6% avg. All hay supplies 1% short, 92% adequate, 7% Surplus. Percent of cutting hay crop harvest; 2nd cutting clover, other hays 41% cut, 52% 1999, 32% avg.; 3rd cutting 5% cut, 27% 1999, 13% avg.; 2nd cutting alfalfa 65% cut, 83% 1999, 65% avg 3rd cutting 15% cut, 11% 1999, 7% avg. Activities: Eastern shore corn made excellent progress in the past week. Report of Gypsy moth caterpillar defoliated several apple orchards in Allegany county.

MICHIGAN: Days suitable for fieldwork 5.0. Topsoil 1% very short, 8% short, 76% adequate, 15% surplus. Subsoil 1% very short, 14% short, 72% adequate, 13% surplus. All Hay 1% very poor, 9% poor, 20% fair, 55% good, 15% excellent. Oats 0% very poor, 3% poor, 24% fair, 61% good, 12% excellent. Winter Wheat 1% very poor, 3% poor, 18% fair, 58% good, 20% excellent. All Hay 1st 83% cutting, 94% 1999, 95% avg. All Hay 2nd 15% cutting, 25% 1999, 14% avg. Corn Height 29%. Drybeans 93% emerged, 99% 1999, 96% avg. Drybeans 1% blooming, 4% 1999. Oats 23% turning yellow, 49% 1999, 31% avg.; 85% headed, 94% 1999, 88% avg. The state weather highly variable last week. Intermittent cool rain showers followed by hot, humid weather. Reporters around State said that continuing rain showers causing problems with haying. Precipitation since April 1 remained below average for Upper Peninsula, northern Lower Peninsula, while rest of State has received rainfall far exceeding normal levels. Growing degree days (GDD) remained above average for State, with exception being Thumb which continued slightly below average for season. Crop progress widely varied across State. Many fields southern portions of State have areas of drowned out crops. Early planted corn looked good Statewide, starting to tassel. European corn borer still a concern but under control. Soybeans looking very good, beginning to flower. Weeds appeared under control even though rain had halted spraying. Wheat harvest should get underway when weather allows. Scab reported some fields but not a big problem. Yields expected to be good to excellent. Growers completing 1st cutting of hay, starting 2nd cutting but slowed by rain. Central part of State, most sugarbeet fields have canopied, look good. Dry bean stands look good with most already emerged. Cabbage harvest continued. Potatoes forming tubers. Sweet corn harvest began on early planted fields. Processing tomato vines filling rows. Market tomatoes mature green stage early fields. Pepper fruit set beginning, fields

recovered from earlier wind damage. Cucumbers continued to grow well. Summer squash, zucchini harvest progressed. Snap bean harvest continued Southwest. Onions and carrots growing well. Pea harvest continued with good yields. Apples ranged from 1.75 to 2.0 inches diameter. Fire blight has done extensive damage some Southwest orchards. Scab is also a problem some orchards. Tart cherry harvest ended Southwest and started West Central, Northwest. Sweet cherry harvest continued West Central and started Northwest. Harvest of early peach varieties started Southwest as did Bluecrop blueberry harvest. Strawberry harvest will be completed soon northern counties. Fall raspberry canes had fruit turning color, while summer raspberry harvest continued. Concord grapes had clusters closing.

MINNESOTA: Days suitable for fieldwork 3.6. Topsoil 0% very short, 3% short, 77% adequate, 20% surplus. Spring Wheat 9% turning ripe, 9% 1999, 7% avg. Oats 30% turning ripe, 18% 1999, 15% avg. Barley 11% turning ripe, 6% 1999, 5% avg. Corn 47 in. height, 46 in. 1999, 43 in. avg. Soybeans 13 in. height, 13 in. 1999, 13 in. avg. Pasture feed 0% very poor, 3% poor, 20% fair, 63% good, 14% excellent. Dry beans 11% very poor, 10% poor, 31% fair, 35% good, 13% excellent. Potatoes 10% very poor, 11% poor, 21% fair, 31% good, 27% excellent. Sunflowers 2% very poor, 6% poor, 25% fair, 54% good, 13% excellent. Canola 0% very poor, 1% poor, 15% fair, 56% good, 28% excellent. Sugarbeets 1% very poor, 4% poor, 23% fair, 45% good, 27% excellent. Hot, humid temperatures arrived throughout the state. Most areas of the state received some precipitation. Localized severe storms hit the southern two-thirds of the state, bringing strong winds and hail that damaged some crops. The Northwest District continues to have widespread surplus topsoil moisture, some fields still have standing water. Crops are generally developing quickly, but conditions remain highly varied across counties due to extreme weather conditions earlier in the growing season.

MISSISSIPPI: Days suitable for fieldwork 7.0. Soil moisture 23% very short, 42% short, 35% adequate. Corn 70% dough, 78% 1999, 61% avg.; 31% dent, 36% 1999, 25% avg.; 3% very poor, 5% poor, 20% fair, 59% good, 13% excellent. Cotton 5% poor, 14% fair, 63% good, 18% excellent. Rice 4% poor, 9% fair, 77% good, 10% excellent. Sorghum 6% poor, 19% fair, 69% good, 6% excellent. Soybeans 4% very poor, 6% poor, 19% fair, 60% good, 11% excellent. Wheat 6% poor, 21% fair, 49% good, 24% excellent. Hay (warm-season) 46% harvested, 58% 1999, 57% avg.; 9 very poor, 18% poor, 30% fair, 39% good, 4% excellent. Cattle, 5% very poor, 8% poor, 30% fair, 49% good, 8% excellent. Pasture 17% very poor, 16% poor, 35% fair, 31% good, 1% excellent. Hot, dry conditions continue in many parts of the state.

MISSOURI: Days suitable for fieldwork during 5.2. Topsoil 8% very short, 17% short, 70% adequate, 5% surplus. The northeast district was reported as 23% surplus while the south-central, southeast districts were the driest at over 45% short to very short. Subsoil moisture varied slightly from last week at 17% very short, 33% short, 49% adequate, 1% surplus. The weekly precipitation averaged 0.54 inch. Wheat 93% harvest, 82% 1999, 78% normal. Double-crop soybeans 84% planted, 73% 1999, 71% normal. Pods had set on 9% compared with 2% 1999. Second crop alfalfa hay 80% cut, 54% in 1999, 49% avg. Other hay 88% cut, 77% in 1999, 75% avg. Cotton 33% setting bolls, 64% 1999, 34% normal. Pasture feeds 10% very poor, 18% poor, 42% fair, 28% good, 2% excellent.

MONTANA: Days suitable for fieldwork 5.5. Topsoil 20% very short, 44% short, 35% adequate, 1% surplus. Subsoil moisture 32% very short, 47% short, 21% adequate, 0% surplus. Oats 85% in boot, 74% 1999, 88% avg.; 64% headed, 47% 1999, 55% avg.; 9% turning, 4% 1999, 4% avg.; 7% very poor, 13% poor, 29% fair, 41% good, 10% excellent. Corn 0% very poor, 3% poor, 31% fair, 53% good, 13% excellent. Dry beans 0% very poor, 9% poor, 33% fair, 51% good, 7% excellent. Potatoes 0% very poor, 0% poor, 19% fair, 56% good, 25% excellent. Sugar beets 0% very poor, 13% poor, 30% fair, 23% good, 34% excellent. Barley 84% in boot, 75% 1999, 89% avg.; 5% turning, 2% 1999, 2% avg. Spring wheat 86% in boot, 76% 1999, 90% avg.; 9% turning, 3% 1999, 3% avg. Winter wheat 87% turning, 33% 1999, 33% avg.; 4% ripe, 0% 1999, 0% avg.; 10% very poor, 22% poor, 39% fair, 24% good, 5% excellent. Alfalfa hay 1st 67% cutting, 55% 1999, 54% avg. Other hay 44% 1st cutting, 39% 1999, 39% avg. Moisture, heat helped push progress along in grains this week. Hay supplies are short in drought areas, many Central State producers are haying their winter wheat to make the best of a bad situation. Thunderstorms at the end of week brought moisture to the state but also brought crop-damaging hail, high winds. Southern Meagher County suffered 75-80% losses on several thousand acres of crop and hay land. Many isolated incidences of hail, wind damage occurred in the eastern half of the state. Reports indicate that grasshoppers have begun to show up in crops. The mild winter and early drought conditions led to an unusually large number of immature grasshoppers in state rangeland. As the grasshoppers mature, move onto cropland, producers may find the pest in great numbers and with plenty of reserves. Despite early drought conditions, livestock continue to be in good shape around the state. Ranchers in the eastern half of the state generally have more problems with feed, water supplies than in the western half. In some places, cattle are being turned onto hay fields because pastures are dry, hay yields are low. In counties where CRP grazing has been approved, ranchers are finding good grass but are limited by water supplies.

NEBRASKA: Days suitable for fieldwork 5.2. Topsoil 28% very short, 30% short, 40% adequate, 2% surplus. Subsoil moisture supplies were rated mostly very short to short. Temperatures for the week averaged 2 to 7° above normals. Precipitation occurred across the state, ranging from traces to over 6.0 inches. Corn 8% very poor, 12% poor, 26% fair, 40% good, 14% excellent; 14% silked, 2% 1999, 4% avg. Soybeans 9% very poor, 13% poor, 26% fair, 38% good, 14% excellent; 26% bloomed, 19% 1999, 10% avg. Sorghum 12% very poor, 11% poor, 36% fair, 35% good, 6% excellent. Winter Wheat 93% ripe, 46% 1999, 42% avg.; 71%

harvested, 26% 1999, 19% avg. Oats 19% very poor, 23% poor, 22% fair, 26% good, 10% excellent; 17% harvested for grain, 8% 1999, 4% avg. Dry beans 3% very poor, 13% poor, 40% fair, 38% good, 6% excellent. Alfalfa 2nd cutting 59% harvested, 38% 1999, 24% avg.; 18% very poor, 20% poor, 34% fair, 26% good, 2% excellent. Wild hay 17% very poor, 28% poor, 34% fair, 20% good, 1% excellent. Pasture, range feed 26% very poor, 31% poor, 32% fair, 11% good. Some cattle moved off pastures, others receiving supplemental feed. Other producer activities included: Irrigating, harvesting hay, wheat, livestock care.

NEVADA: Temperatures continued to drop, averaging below normal statewide. Only traces of precipitation fell anywhere in the State. Man-caused wildfires kept fire crews on the move, but thus far this fire season has been much less disastrous than last. Seasonal drying of rangelands continued, stream flows continued to fall. Pastures, ranges showing the effects of persistent dry weather. Irrigation water supplies short in some areas, mostly adequate. Crop condition ratings generally good. Second cutting of alfalfa hay well along; third ending south. Aphid populations high in some alfalfa fields. Timothy, grass hay harvests progressing. Fall seeded grains headed out, ripening. Spring seeded grain heading well along. Winter wheat headed out, spring planted grain heading progressed. Some grain cut for hay. Onions, garlic in good condition. Potato plants growing well. Weed, insect control underway. Some livestock movement for range management. Higher cattle, calf prices encouraging to cattle ranchers. Main farm, ranch activities: Alfalfa, other hay harvests, irrigation, pest, weed control, livestock contracting.

NEW ENGLAND: Days suitable for fieldwork: 6.0. Topsoil 9% short, 79% adequate, 12% surplus. Subsoil moisture 6% short, 84% adequate, 10% surplus. Pasture feed 13% fair, 45% good, 42% excellent. Maine potatoes condition good to excellent. Rhode Island potatoes: condition good to excellent. Massachusetts potatoes: condition good to fair. Oats in Maine: condition good. Barley in Maine: condition good. Silage corn 100% planted, 100% 1999, 100% avg.; 95% emerged, 100% 1999, 100% avg.; condition good. Sweet corn 100% planted, 100% 1999, 100% avg.; 95% emerged, 100% 1999, 95% avg.; condition good to fair. Shade tobacco: condition good to fair. Broadleaf tobacco: condition good to fair. First crop hay 80% harvested, 90% 1999, 80% avg.; condition good to fair. Second crop hay 5% harvested, 20% 1999, 15% avg.; condition good to excellent. Apples: fruit set below avg to avg, fruit size avg, condition fair to good. Peaches: fruit set avg, fruit size avg to above avg, condition good to fair. Pears: fruit set avg, fruit size avg, condition good to fair. Strawberries: 75% harvested, 95% 1999, 85% avg; fruit set avg to above avg, fruit size avg, condition good to fair. Cranberries: condition good to fair. Highbush blueberries: 5% harvested, 10% 1999, 5% avg; fruit set avg to above avg, fruit size avg, condition good to excellent. Wild Blueberries in Maine: fruit set avg, fruit size avg to above avg, condition good. Cool, wet weather conditions prevailed during the week. Major farm activities included: Side dressing, fertilizing tobacco, cultivating potatoes, peppers, squash, tomatoes, cauliflower, cabbage, pumpkins, corn, spraying herbicides, insecticides, fungicides, harvesting hay, peas, early cabbage, sweet corn, radishes, summer squash, greens, strawberries, monitoring fields for fruit fly, picking blueberries.

NEW JERSEY: Days suitable for field work 6.7. Topsoil 62% short, 38% adequate. Corn 100% planted, 33% fair, 53% good, 14% excellent. Soybeans 98% planted, 50% fair, 50% good. Wheat, barley harvest neared completion in most areas. Leaf hoppers were reported in some alfalfa fields while mowing the 2nd cutting. Continued warm weather, dry conditions caused some livestock producers to begin feeding stored hay to supplement outdoor pastures. Irrigation continued due to heat, sporadic rainfall. Sweet corn crop 69% good, 31% excellent. Apple, peach condition was rated mostly good, with peach harvest beginning in some areas. Reporters indicated some occurrences of apple scab, oriental fruit moth in a few orchards. Tomato condition was rated as mostly good by reporters. Reporters indicated the blueberry crop has favorable yields, excellent quality, although some deer damage was reported. Planting of fall cabbage began in some localities. Potato harvest began in some areas.

NEW MEXICO: Days 6.0 suitable for field. Topsoil 20% very short, 40% short, 40% adequate, 0% surplus. Typical summer warmth, the usual scattered thunderstorm activity for early July were the main weather features for the week. The mid, lower Rio Grande valley remained generally dry while the mountain regions, some areas in the plains received beneficial rainfall. work. Harvesting, irrigating, cultivating, weed control kept farmers busy during the week. Onion condition was rated fair to excellent during the week, with 75% of the crop harvested. The 2000 corn crop was in mostly good condition, with 20% of the crop in the tasseled stage. Alfalfa condition slipped a little during the week. The 2nd cutting progressed to 90% complete the 3rd cutting was 37% complete. Cotton condition remained in mostly fair to good condition, with the crop setting bolls in the southern areas. Supplemental feeding of livestock has decreased, but is still higher than normal. Cattle, sheep conditions remained much the same as a week earlier. Pasture, range feed 10% very poor, 35% poor, 40% fair, 15% good.

NEW YORK: Days suitable 5.6. Soil moisture 82% adequate, 18% surplus. Pasture feed 6% fair, 71% good, 23% excellent. Hay 10% poor, 43% fair, 38% good, 9% excellent. First cut alfalfa 79% complete, 97% 1999, 94% avg. Clotimothy 66% harvested, 87% 1999, 92% avg. Oats 43% fair, 50% good, 7% excellent. Wheat 27% fair, 73% good. Corn 94% planted, 100% 1999, 94% avg. Dry beans 73% planted, 96% 1999, 94% avg. Apples in good condition. Hail reported in several locations, damage unknown. Grapes in Finger lakes region in good condition with a good fruit set. Vegetable planting continued. Warm weather helped crop development. Orange County onions in good condition. Snap bean planting 50% complete. Sweet corn planting neared completion. Strawberry season near completion.

NORTH CAROLINA: Days suitable for field work 5.6 as compared to 4.7 the previous week. The first full week of July brought comfortable summer temperatures with scattered showers. The decrease in precipitation did not significantly affect the Statewide soil moisture which is currently rated at 4% very short, 27% short, 59% adequate, 10% surplus. Double crop soybean plantings continue behind the small grain harvest. The Irish potato harvest is ahead of 1999, the 5 year avg, while peanut peggings continue to increase significantly. Other activities included: Tobacco topping, spraying, peach harvest, tending livestock, truck crop harvest. Pest management activities continue for all crops.

NORTH DAKOTA: Days suitable for field work was 5. Topsoil 1% very short, 7% short, 79% adequate, 13% surplus. Subsoil moisture 3% very short, 10% short, 78% adequate, 9% surplus. Wet, humid conditions across much of the state raised concern over small grain diseases, delayed spraying, hay cutting. Crop Development: Durum wheat 73% boot, beyond, 36% 1999, 52% avg.; 43% heading, beyond, 17% 1999, 28% avg.; 11% milk and beyond, 2% 1999, 4% avg. Canola 91% blooming, beyond, 65% 1999; 3% turning, beyond. Dry edible beans 5% blooming, beyond, 6% 1999, 12% avg. Potatoes 32% blooming, beyond, 22% 1999, 25% avg.; 26% rows filled, beyond, 0% 1999, 12% avg. Sunflowers 0% blooming, beyond, 2% 1999, 1% avg. Emerged crop Durum wheat 2% very poor, 4% poor, 20% fair, 59% good, 15% excellent. Canola 2% very poor, 5% poor, 16% fair, 51% good, 26% excellent. Dry edible beans 12% very poor, 15% poor, 22% fair, 43% good, 8% excellent. Flaxseed 2% very poor, 3% poor, 19% fair, 57% good, 19% excellent. Potatoes 12% very poor, 19% poor, 21% fair, 42% good, 6% excellent. Sugarbeets 6% very poor, 10% poor, 22% fair, 50% good, 12% excellent. Sunflower 2% very poor, 5% poor, 16% fair, 62% good, 15% excellent. Pasture, range feeds 2% very poor, 7% poor, 22% fair, 54% good, 15% excellent. Stockwater supplies 1% very short, 5% short, 88% adequate, 6% surplus. Hay 85% of normal. Alfalfa 1st and 2nd cutting 75%, 4% complete respectively, while other hay 40% complete.

OHIO: Days suitable for fieldwork, 4.0 days. Topsoil 0% very short, 2% short, 71% adequate, 27% surplus. Alfalfa hay 98% 1st cutting; 100% 1999; 99% avg. Alfalfa hay 2nd cutting 38%; 65% 1999; 31% avg. Corn 7% silked; 7% 1999; 3% avg. Oats 97% headed; 100% 1999, 97% avg. Oats 21% ripe; 35% 1999, harvested 3%; 5% 1999; 3% avg. Other hay 1st 93% cutting; 100% 1999; 95% avg.; 2nd 18% cutting; 37% 1999, 18% avg. Soybeans 34% blooming; 47% 1999; 18% avg.; 4% setting pods; 5% 1999; 2% avg. Strawberries 99% harvested; 100% 1999; 95% avg. Winter wheat 99% ripe; 94% 1999, 66% harvested; 68% 1999; 35% avg. Summer apples 5% harvested; 16% 1999. Peaches 1%; harvested 7% 1999. Corn 3% very poor, 6% poor, 19% fair, 45% good, 27% excellent. Hay 4% very poor, 7% poor, 26% fair, 49% good, 14% excellent. Oats 0% very poor, 4% poor, 25% fair, 60% good, 11% excellent. Pasture 1% very poor, 5% poor, 24% fair, 54% good, 16% excellent. Soybeans 6% very poor, 13% poor, 31% fair, 40% good, 10% excellent. Winter wheat 0% very poor, 3% poor, 17% fair, 52% good, 28% excellent. Activities for the week included: Making hay; combining wheat; replanting soybeans, planting double crop beans; spraying weeds; repairing equipment, machinery; mowing ditches, waterways; baling hay, straw; scouting fields for insects, disease; certifying crops; preparing for county fairs. Reported weed pressures included Canadian thistle, ragweed, foxtail, lambs quarter, hemp dogbane, velvet leaf, nut grass, ironweed, multiflora rose, johnson grass. Reported insects were black cutworms, European corn borer in corn, bean leaf beetles, slugs, spittle bugs, wire worms, seed corn maggots, spider mites, gypsy moths, tent caterpillars, aphids in wheat, alfalfa weevil, potato leaf hoppers. Reported diseases were root diseases in soybeans; rust, powdery mildew, head scab, glume blotch in wheat; Stewart's wilt in sweet corn; blight on vegetables; spring black stem in alfalfa. Fruit, vegetable crops were reported in good condition throughout the state. Producers in the Central Hills region have finished harvesting strawberries, are preparing for the apple harvest. In the Southeast district, early peaches are starting to ripen. Tomatoes, sweet corn are being harvested in southern state. Livestock were reported in mostly good condition, although face flies are a problem in many areas. Cattle, poultry are in good condition in the northeast. Pasture feed 70% good to excellent, compared to only 27% 1999, at this time.

OKLAHOMA: Days suitable for fieldwork 5.7. Topsoil 6% short, 84% adequate, 10% surplus. Subsoil moisture 11% short, 82% adequate, 7% surplus. Wheat 66% plowed, 49% last week, 43% 1999, 56% avg. Oats 89% harvested, 75% last week, 86% 1999, 89% avg.; 45% plowed, 31% last week, 31% 1999, 45% avg. Corn 1% poor, 8% fair, 66% good, 25% excellent, 37% silking, 13% last week, 24% 1999, 34% avg.; 9% dough, 4% last week, 9% 1999, 10% avg. Sorghum 94% planted, 87% last week, 95% 1999, 94% avg.; 90% emerged, 80% last week, 87% 1999, 85% avg.; Soybeans 3% poor, 18% fair, 67% good, 12% excellent, 92% planted, 85% last week, 73% 1999, 88% avg.; 84% emerged, 77% last week, 54% 1999, 77% avg.; 11% blooming, 3% last week, 12% 1999, 20% avg. Peanuts 2% setting pods, 0% last week, 6% 1999, 17% avg. Alfalfa Hay 3% poor, 21% fair, 64% good, 12% excellent, 89% 2nd cutting, 72% last week, 79% 1999, 84% avg.; 20% 3rd cutting, 8% last week, 20% 1999, 20% avg. Other Hay 1% poor, 18% fair, 60% good, 21% excellent; 83% 1st cutting, 75% last week, 77% 1999, 79% avg.; 12% 2nd cutting, 7% last week, 11% 1999, 10% avg. Watermelons 76% setting fruit, 61% last week, 56% 1999, 69% avg.; 10% harvested, 0% last week, 1% 1999, 5% avg. Livestock 1% poor, 9% fair, 71% good, 19% excellent; Cattle marketings near avg.

OREGON: Days suitable for fieldwork 7. Topsoil 2% very short, 53% short, 45% adequate. Subsoil 1% very short, 43% short, 57% adequate. Barley 94% headed, 4% poor, 31% fair, 44% good, 21% excellent. Winter wheat 35% fair, 43% good, 22% excellent. Range, pasture 2% very poor, 3% poor, 32% fair, 54% good, 9% excellent. Activities: Haying going full swing early this week, finishing up state wide. In Willamette Valley, fall grains turning color, grass seed swathing underway. Hops have reached top wire. Red clover blooming, crimson clover, grass for seed

in windrow. Sweet corn rows are filling. Sugar beets for seed, pepper mint crops looking very good. In northeast state wheat standing in field has plump kernels, showing good to excellent potential. Grass seed being harvested, 2nd harvest of alfalfa hay complete. On south coast some grass seed fields being cut, grains ripening, about ready to cut. Second cutting of alfalfa underway. Sweet corn setting ears, 2nd hay growth very slow. In Klamath basin first hay cutting nearly completed, sugarbeets emerged, 65% of rows closed. Potatoes 60% closed, 15% flowering. Nurseries, greenhouses doing summer maintenance, irrigation. Easter lily growers irrigating their fields on southern state coast. Retail sales outlets having sales on spring plants trying to move them out. Baker county reported late blight controls being applied to potatoes. Other eastern counties reported potato rows 60-80% closed, 15% flowered. Umatilla county processed Shepody potatoes. In western state green beans growing, near ripening. Sweet corn doing better with warm weather, four feet tall in Washington county. Cucumbers, squash set fruits in Jackson county. Carrots, onions, table beets reported in good condition throughout western state. Sweet cherry harvest continued in Mid-Columbia, other districts. Strawberry harvest wrapped up in Willamette Valley. Raspberry picking peaked, blueberry picking continued. Marionberries coloring. Hazelnuts, other tree fruit continued to size. Jackson county pear orchardists planning third cover spray for this week. In Coos, Curry counties, bee hives being picked up as cranberry bloom period ended. Livestock condition remains mostly good to excellent. Some cattle in poor condition in southern Malheur county. In Umatilla county, all livestock had been moved to summer ranges. Sheep shearing continued at southern coast. Ranges, pastures continued to dry out across most of state. Dryland pastures started to show stress in Willamette Valley. High elevation rangeland in most areas east of Cascades continued to show excellent growth. Southeastern ranges drying up rapidly.

PENNSYLVANIA: Days suitable for field work 5.5. Soil moisture 7% short, 80% adequate, 13% surplus. Corn 10% silk, 9% 1999, 7% avg. Oats 50% turning yellow, 51% 1999, 40% avg. Corn crop 1% very poor, 6% poor, 17% fair, 53% good, 23% excellent. Soybean crop 1% very poor, 5% poor, 17% fair, 63% good, 14% excellent. Wheat crop 1% very poor, 2% poor, 40% fair, 52% good, 5% excellent. Oat crop 3% poor, 22% fair, 68% good, 7% excellent. Peaches crop 26% fair, 74% good. Apples crop 1% poor, 10% fair, 89% good. Alfalfa 1st 94% cutting, 100% 1999, 94% avg. Alfalfa 52% 2nd cutting, 64% 1999, 43% avg. Timothy clover 78% 1st cutting, 93% 1999, 81% avg. Timothy clover 7% 2nd cutting, 19% 1999, 7% avg. Quality of hay made 1% very poor, 12% poor, 33% fair, 43% good, 11% excellent. Activities include: Planting soybeans, vegetables; harvesting barley, oats, winter wheat, apples, peaches; fixing fences; machinery maintenance; spreading lime, fertilizers; hauling manure; caring for livestock; baling straw; making hay, haylage; applying pesticides.

SOUTH CAROLINA: Days suitable for field work 6.6. Soil moisture 23% very short, 38% short, 39% adequate. Apples 4% poor, 88% fair, 8% good. Cantaloups 79% harvested, 69% 1999, 77% avg.; 12% poor, 63% fair, 25% good. Corn 98% silked, 93% 1999, 95% avg.; 58% doughed, 39% 1999, 55% avg.; 26% matured, 5% 1999, 16% avg; 19% very poor, 31% poor, 30% fair, 20% good. Cotton 79% squared, 65% 1999, 74% avg.; 21% bolls set, 8% 1999, 21% avg.; 3% very poor, 12% poor, 32% fair, 46% good, 7% excellent. Cucumbers 100% harvested, 98% 1999, 86% avg. Livestock 1% very poor, 6% poor, 32% fair, 45% good, 16% excellent. Peaches 55% harvested, 51% 1999, 45% avg.; 13% poor, 21% fair, 49% good, 17% excellent. Peanuts 42% pegged, 48% 1999, 41% avg.; 4% very poor, 10% poor, 66% fair, 20% good. Rye 100% harvested, 100% 1999, 99% avg. Snap beans 82% harvested, 74% 1999, 69% avg. Sorghum 99% planted, 99% 1999, 93% avg.; 55% headed, 57% 1999, 47% avg.; 20% turned color, 19% 1999, 22% avg.; 16% very poor, 37% poor, 40% fair, 7% good. Soybeans 99% planted, 98% 1999, 97% avg.; 97% emerged, 90% 1999, 91% avg.; 20% bloomed, 7% 1999, 15% avg.; 5% pods set, 1% 1999, 2% avg.; 7% very poor, 14% poor, 25% fair, 48% good, 6% excellent. Sweetpotatoes 100% planted, 100% 1999, 96% avg.; 5% poor, 30% fair, 65% good. Tobacco 86% topped, 63% 1999, 75% avg.; 5% harvested, 5% 1999, 9% avg.; 5% poor, 21% fair, 69% good, 5% excellent. Tomatoes 85% harvested, 88% 1999, 81% avg. Watermelons 80% harvested, 64% 1999, 70% avg.; 11% very poor, 27% poor, 42% fair, 20% good.

SOUTH DAKOTA: Days suitable for field work 5.7. Topsoil 7% very short, 24% short, 64% adequate, 5% surplus. Subsoil moisture 9% very short, 26% short, 60% adequate, 5% surplus. Feed supplies 8% short, 85% adequate, 7% surplus. Stock water supplies 5% very short, 14% short, 76% adequate, 5% surplus. Winter Rye 5% poor, 11% fair, 61% good, 23% excellent., 87% turning color, 76% 1999, 56% avg.; 17% ripe, 4% 1999, 12% avg.; 95% turning color, 89% 1999, 71% avg.; 43% ripe, 22% 1999, 13% avg. Spring Wheat 39% turning color, 31% 1999, 17% avg.; 2% ripe, 0% 1999, 2% avg. Barley 41% turning color, 18% 1999, 19% avg.; 1% ripe, 0% 1999, 2% avg. Oats 48% turning color, 20% 1999, 17% avg.; 13% ripe, 6% 1999, 4% avg. Corn 4% tasseled, 0% 1999, 2% avg. Avg. corn height in inches 41, 32 in 1999, 30 in avg.; cultivated 94% once, 87% 1999, 88% avg.; Corn 58% cultivated twice, 37% 1999, 41% avg. Sunflower 2% poor, 19% fair, 67% good, 12% excellent, 1% blooming, 0% 1999, 5% avg. Alfalfa hay 5% very poor, 17% poor, 26% fair, 45% good, 7% excellent. Alfalfa hay 96% 1st cutting harvested, 90% 1999, 88% avg.; Alfalfa hay 28% 2nd cutting harvested, 17% 1999, 10% avg. Other hay 60% harvested, 47% 1999, 42% avg. Range, Pasture 2% very poor, 8% poor, 21% fair, 58% good, 11% excellent. Cattle 6% fair, 74% good, 20% excellent. Sheep 5% fair, 71% good, 24% excellent. Hot, humid weather conditions covered the state enhancing crop development. Average corn height now 41 inches is up 14 inches from last week. Small grains are also progressing well with spring wheat, oats, barley now turning color, winter wheat harvest beginning. Livestock are doing well as they have adequate water, feed supplies.

TENNESSEE: Days suitable for fieldwork 6. Topsoil 6% very short, 30% short, 59% adequate, 5% surplus. Subsoil moisture 4% very short, 33% short, 62%

adequate, 1% surplus. Tobacco 1% very poor, 6% poor, 35% fair, 49% good, 9% excellent. Pastures 2% very poor, 8% poor, 32% fair, 50% good, 8% excellent. Alfalfa 69% 2nd cutting, 50% 1999, 62% avg. Other hay 1% very poor, 8% poor, 29% fair, 49% good, 13% excellent. Cattle 3% poor, 21% fair, 60% good, 16% excellent. Rain showers were widely scattered throughout the State last week. A few locations reported rainfall up to 2 inches but most areas received none. Crops are beginning to show signs of stress due to a lack of moisture. The State's tobacco producers continued to fight diseases as many growers are reporting black shank. Farmers are beginning to top, apply sucker control chemicals to burley. The 2nd cutting of alfalfa, other hay continues to roll along ahead of normal.

TEXAS: Rain showers accompanied by isolated hail, high winds again crossed portions of the Plains. Damage appeared to be light in most locations. Elsewhere hot, open weather allowed producers to return to the fields that had previously been to wet to farm. Some sorghum continued to be planted mostly behind earlier failed crops, in a few isolated areas some remaining wheat was sprouting in the head. In Central, Southern areas weather patterns remained mostly dry and hot and crops and pasture were beginning to show stress from lack moisture in some locations. The Trans Pecos area continued to be mostly dry. Grasshopper populations continued to increase, severe plant damage was occurring in some locations. In some of the drier areas, pecan nut drop was beginning. Field Crops: Small Grains: Harvest of the remaining small grains was mostly completed across the state, only a few isolated fields remained to be harvested. In some areas of the Plains harvest was on hold waiting for fields to dry out. Corn continued to progress well in most areas. Recent rains continued to improve the condition of dryland corn across the Plains, previously interrupted irrigation was resumed in most locations. Hot dry conditions continued to accelerated maturity in southern areas. High winds, hail again caused damage to some isolated areas. Statewide corn 84% normal compared with 86% 1999. Dough .59% Published, 57% 1999, .51% Avg. Dented 48% Published, 45% 1999, 36% Avg. Mature 17% Published, 16% 1999, 10% Avg. Cotton made good progress across most growing areas of the state, however rain, wind and hail again caused damage in some areas of the Plains. Some cotton continued to suffer from standing water. Thrips, grasshoppers continued to cause damage to young plants and boll weevil pressure increased in many locations. Statewide Cotton 73% of normal compared with 66% 1999. Bolls Opening 6% Published, 4% 1999, 5% Avg. Rice heading was well ahead of normal, draining of the first fields was in progress in some locations. Isolated pressure from Army worms continued in some locations. State wide rice 93% of normal compared with 93% 1999. Sorghum: Only isolated planting remained across the Plains mostly behind other crops. In southern areas of the state harvesting continued to expand. Midge problems remained in some areas, pressure from weeds, grass was escalating in many locations. Statewide Sorghum 75% of normal compared with 83% 1999. Planted 98% Published, 95 1999, 98% Avg. Turning Color, 40% Published, 38% 1999, 45% Avg. Mature 30% Published, 28% 1999, 27% Avg. Harvested 25% Published, 20% 1999, 13% Avg. Peanuts continued to progress well across the Plains, while planting was completed in southern, central areas. Grasshoppers remained an increasing problem in some areas. Plant diseases were a growing problem in several areas. Statewide peanut 91% of normal compared with 84% 1999. Soybeans: Plants continued to progress well in all growing areas of the State with only isolated locations receiving damage from hail, high wind. Army worm problems remained steady in some locations. Crop progression was generally good across the State. Commercial Vegetables, Fruit, Pecans :Rio Grande Valley, melon harvest continued, but was mostly complete. Yields were low in several locations as a result of dry conditions. San Antonio-Winter Garden, harvest of most spring vegetables was completed, land preparation began for the fall plantings. East State, harvest of peppers, squash, tomatoes, watermelons remained steady. Plant diseases continued to be a problem in many locations as the wet conditions remained. Grasshoppers populations continued to rise. High Plains, planting of peas, watermelons, sesame continued. Earlier planted vegetables made good progress. Peaches: Harvest continued across the Plains, but was mostly completed in other areas. Grasshoppers had devastated some crops in a few locations. Pecans: pecans made good progress across the state in most locations. Some nut drop occurred in the dryer areas, insect pressure remained constant for some producers. Range, Livestock: recovery continued across the Plains, East State, portions of North Central State but was slowed across the remaining areas of the State. In portions of South State recovery had been reversed, some producers were again feeding supplemental feed, burning prickly pears to help sustain their remaining herds. Available stock water also became a greater concern in some areas. Haying operations continued to make good progress across most areas of the State and excellent tonnage was produced in most locations.

UTAH: Days suitable for field work 7. Topsoil 29% very short, 38% short, 33% adequate. Subsoil moisture 29% very short, 33% short, 38% adequate. Pasture, range feed 9% very poor, 30% poor, 37% fair, 24% good. Alfalfa hay 32% 2nd cutting, 7% 1999, 13% avg. Other hay cut 60%, 53% 1999, 47% avg. Corn height 36 inches, 27 inches 1999, 27 inches avg. Winter wheat 2% harvested, 1% 1999, 2% avg. Oats 70% headed, 68% 1999, 64% avg. Barley 92% headed, 92% 1999, 87% avg. Spring wheat 91% headed, 92% 1999, 88% avg. Oats harvested 36% for hay or silage, 29% 1999, 27% avg. Apricots 33% harvested, 8% 1999 17 avg. Sweet 97% cherries picked, 40% 1999, 48% avg. Tart cherries 19% picked, 9% avg. Irrigation water supplies 13% very short, 37% short, 50% adequate. Stock water supplies 7% very short, 27% short, 66% adequate. Major farm, ranch activities included: Irrigating crops, harvesting fruit, alfalfa 2nd cutting. Hot dry weather continues to be a problem for ranchers as rangeland dries up, irrigation supplies dwindle. Yields for barley, hay are reduced due to low precipitation. Pastures are too dry for this time of year. producers are looking for supplemental hay since they will run short on range feed this summer, fall. Most crops are maturing earlier than normal. Crops are consistently ahead of past years throughout the state.

VIRGINIA: Days suitable for fieldwork 5.3. Topsoil 10% short, 82% adequate, 8% surplus. Subsoil moisture 4% very short, 13% short, 78% adequate, 5% surplus. Pastures 3% poor, 21% fair, 59% good, 17% excellent. Livestock 1% poor, 5% fair, 73% good, 21% excellent. Other Hay 1% poor, 19% fair, 63% good, 17% excellent. Alfalfa Hay 1% poor, 9% fair, 59% good, 31% excellent. Corn Grain 1% poor, 9% fair, 57% good, 33% excellent, 36% Silked, 29% 1999, 25% 5-yr avg. Corn 2% dough, 2% 1999, 2% 5-yr avg. Soybeans 3% poor, 15% fair, 69% good, 13% excellent, 91% planted, 73% 1999, 82% 5-yr avg.; 83% emerged, 65% 1999, NA 5-yr avg.; 2% bloomed, 1% 1999, NA 5-yr avg. Winter Wheat 87% harvested, 78% 1999, 74% 5-yr avg. Barley 94% harvested, 97% 1999, 92% 5-yr avg. Flue-cured tobacco 23% fair, 67% good, 10% excellent. Burley tobacco 5% poor, 19% fair, 53% good, 23% excellent. Dark Fire-cured tobacco 8% fair, 65% good, 27% excellent. Sun tobacco 100% good. Peanuts 3% fair, 70% good, 27% excellent, 31% pegged, 49% 1999, 40% 5-yr avg. Cotton 1% poor, 5% fair, 72% good, 22% excellent, 72% squaring, 79% 1999, 76% 5-yr avg. Summer Potatoes 2% very poor, 15% poor, 17% fair, 53% good, 13% excellent, 34% harvested, 34% 1999, 28% 5-yr avg. Apples 7% fair, 71% good, 22% excellent, 2% harvested, NA 1999, NA 5-yr avg. Peaches 11% very poor, 1% poor, 10% fair, 61% good, 17% excellent. Precipitation across the Commonwealth ranged from several inches to none, temperatures were mostly below normal. Hay cutting, wheat harvest was delayed in some areas due to intermittent rainfall. Warm temperatures, high humidity has increased disease problems in vegetables, consequently fungicide treatments have been needed. Blue mold has been reported in burley tobacco. Farmers have begun leafspot application on peanuts, herbicide treatments on soybeans, cotton, peanuts. Corn earworms are appearing early in sweet corn. Other activities for the week included: Harvesting vegetables, applying growth regulator to cotton.

WASHINGTON: Days suitable for fieldwork 6.4. Topsoil 23% short, 77% adequate; Subsoil moisture 50% short, 50% adequate. Winter wheat dryland 5% poor, 18% fair, 60% good, 17% excellent; irrigated 100% good, 4% harvested, 0% 1999, 1% avg. The cooler weather, mild showers created ideal conditions for wheat development. Harvest was underway in some parts of the state. Spring wheat dryland 9% poor, 39% fair, 48% good, 4% excellent; irrigated, 100% good. Headed 92%, 95% 1999, 91% avg. Barley dryland 7% poor, 42% fair, 43% good, 8% excellent; irrigated 100% good. Headed 98%, 93% 1999, 92% avg. Spring cereal crops progressed normally with the slight showers, cooler weather. Stripe rust was reported, producers were applying fungicides. Potatoes 4% fair, 94% good, 2% excellent. Potatoes 5% harvested, 3% 1999, 2% avg. Alfalfa hay 99% 1st cutting, 100% 1999, 97% avg.; 2nd cutting 76%, 74% 1999, 55% avg. Hay, roughage, 88% adequate, 12% surplus. Range, Pasture 18% poor, 49% fair, 33% good. The potato harvest started. The 1st cutting of alfalfa hay was almost complete with the 2nd cutting progressing well. The grass hay harvest looked to be doing well. Bluegrass harvest was underway. Cherry harvest was almost complete. Apricot, early peaches began to be harvested. Peas, lentils were developing good despite insect pressure. Strawberry harvest was winding down as raspberry harvest was picking up. Blueberry harvest was expected to start mid month.

WEST VIRGINIA: Days suitable for fieldwork 4.8. Topsoil 11% short, 79% adequate, 10% surplus Producers made good harvest progress despite scattered showers across most areas of the State. Crop, pasture feeds continue to improve. Wheat 35% fair, 62% good, 3% excellent; Wheat 58% harvested, 65% 1999, 41% 5-yr avg. Hay 3% poor, 15% fair, 69% good, 13% excellent; Hay 1st cut 89%, 96% 1999, 88% 5-yr avg.; Hay 2nd cut 21%, 21% 1999, 13% 5-yr avg. Corn 9% fair, 54% good, 37% excellent; 15%, silked 9% 1999, 13% 5-yr avg. Soybean 12% fair, 46% good, 42% excellent; Soybeans 2%, blooming 23% 1999, 12% 5-yr avg. Oats 19% fair, 57% good, 24% excellent; 91% headed and 90% 1999, 4% harvested, 3% 1999, 15% 5-yr avg. Tobacco 2% very poor, 8% poor, 38% fair, 52% good, 78% fair, 22% good. Peach 100% fair. Cattle 7% fair, 85% good, 8% excellent. Sheep 6% fair, 87% good, 7% excellent.

WISCONSIN: Days suitable for fieldwork 4.9. Soil moisture 0% very short, 4% short, 78% adequate, 18% surplus. Storms caused some damage in the southern districts of state. A few replantings were washed out after heavy rains hit with hail. Temperatures were about the same as last week, with highs ranging in the 70's-90's. Conditions remain too wet for haying, spraying. Crops have begun to take advantage of the warmth, humidity. First cutting of hay: 100% 2000, 99% 1999, 96% 5-year avg. Second cutting of hay: 28% 2000, 40% 1999, 17% 5-year avg. Winter wheat 0% very poor, 2% poor, 18% fair, 50% good, 30% excellent. Pasture feed 0% very poor, 2% poor, 12% fair, 67% good, 19% excellent. Early planted soybeans have just begun to bloom. Second crop has high yields as well as leafhopper problems. Peas continue to be picked.

WYOMING: Days suitable for fieldwork 6.9. Topsoil 35% very short, 46% short, 19% adequate. Barley 80% headed, 71% 1999, 75% avg.; turning 23% color, 22% 1999, 21% avg.; 5% poor, 39% fair, 49% good, 7% excellent. Oats 75 boot%, 69% 1999, 81% avg.; 47% headed, 44% 1999, 56% avg.; turning 2% color, 6% 1999, 11% avg.; 1% very poor, 8% poor, 37% fair, 46% good, 8% excellent. Spring wheat 39% headed, 66% 1999, 63% avg.; turning 4% color, 7% 1999, 17% avg.; 20% poor, 42% fair, 33% good, 5% excellent. Winter wheat 95% turning color, 91% 1999, 80% avg.; 41% mature, 24% 1999, 19% avg.; 12% harvested, 1% 1999, 0% avg.; 34% very poor, 35% poor, 19% fair, 12% good. Corn avg height 28 inches, 30 inches 1999, 26 inches avg.; tasseled 5%, 2% 1999, 1% avg.; 2% poor, 7% fair, 87% good, 4% excellent. Dry beans 7% bloom, 11% 1999, 9% avg.; 18% fair, 73% good, 9% excellent. Sugarbeets 3% poor, 18% fair, 61% good, 18% excellent. Alfalfa 78% 1st cutting, 71% 1999, 66% avg.; 2% 2nd cutting, 1% 1999, 0% avg. Other 32% hay harvested, 28% 1999, 33% avg. Range, pasture feed 9% very poor, 22% poor, 47% fair, 22% good. Irrigation water supplies 20% very short, 32% short, 48% adequate.